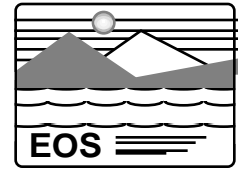


EOSDIS



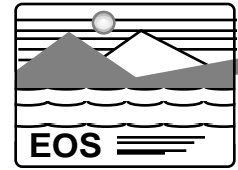
**Earth Observing System (EOS)
Data and Information System (EOSDIS)**

Project Status

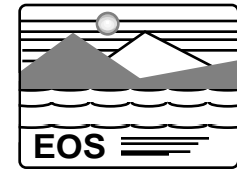
MODIS Science Team Meeting

**John Dalton
Earth Science Data Information System
(EDIS) Project
NASA/Goddard Space Flight Center**

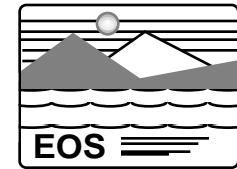
May 1, 1995



- **Project Status**
- **Active Issues**
- **Schedule**



- **ECS Science Data Processing and Communications/
System Management Segments**
 - Successful Critical Design Review for AM-1 (Release B) completed in April - Delta Design Review for Science and Document Data Servers to be held in early June
 - Interim Release-1 (IR-1) system deployed at GSFC, LaRC, and EDC DAACs to support early algorithm integration and testing
 -
- **Science Software Interface:**
 - SCF Release A Science Data Processing (SDP) Toolkit delivered to ESDIS on April 30. To be delivered to science software developers by 3rd week of May. Adds tools for EOS-HDF and metadata access.
 - SCF Release B (AM-1) SDP Toolkit scheduled for Dec.-Jan.
- **ECS Flight Operations Segment:**
 - Development continuing on schedule



EDOS

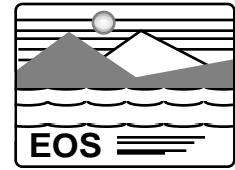
- **Completed coding for Version 2**
- **Version 3 (AM-1 support) design in progress**

System Engineering & Integration

- **Held first in series of ESDIS Ground System Status Reviews (ESRs) to demonstrate end-to-end EOSDIS readiness to support EOS missions:**
 - **ESR-1 (Mar. 12-13, '96):**
 - **Baseline design, operations concepts, risk management**
 - **Resulted in 24 requests for action (4 priority 1, 20 priority 2)**
 - **ESR-2 (Nov. '96): TRMM readiness; AM-1 and Landsat-7 interface testing support**
 - **ESR-3 (Aug. '97): AM-1 and Landsat-7 readiness**

IV&V

- **Completed Component Acceptance Testing for ECS IR-1**

**Networks**

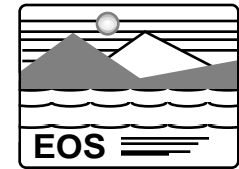
- Preparing for review of NSI network on May 8
- EBnet detailed design for AM-1 support on May 9

Version 0

- 2000 - 3000 users ordering data from DAACs each month
- > 1.5 TB delivered per month (~50% tape, 50% CD-ROM)

Initiated phase-out of MSFC DAAC

- LIS processing and data management and SSM/I products to be supported by enhanced LIS SCF
- other products to transition to other DAACs - primarily GSFC
- phase-out to be completed by end of March 1997



- **Hardware requirements exceed budget - Need more integrated optimization of MODIS algorithms together with ECS**
 - Initiating MODIS/ECS/DAAC/Project tiger team(s) to identify peak resource demands and perform algorithm/system tuning
- **Strategy for sufficient testing of MODIS algorithm data flow with ECS data staging and archive elements**
 - Acquiring equipment early provides realistic test environment. Acquiring equipment later reduces cost.
 - Current approach relies on predictive staging to eliminate archive as bottleneck
- **Transition strategy for new vendor releases**
 - SGI OS IRIX 6.1 => 6.2 being worked
- **MODIS ancillary data needs**
 - Need to begin detailed discussions

GODDARD SPACE FLIGHT CENTER

ESDIS SUPPORT FOR AM-1 LAUNCH MASTER SCHEDULE

 ORIC APPROVAL 11/30/93
 LAST CHANGE 03/01/96
 STATUS AS OF 03/31/96
